



Industrial Box PC platform for deep learning based edge analytics and IIOT applications.

HIGHLIGHTS

- NVIDIA Jetson Xavier NX Processor
- Supercomputer performance in Box PC form factors
- AI Ready for deep neural networks (21 TOPS)
- Process 32 Full-HD video streams with Deepstream SDK
- 8 GB 128-bit LPDDR4x RAM
- 4K Video Decode & Display
- Industrial IO options (RS232/485, CAN, Digital I/O)
- High Speed Interfaces (Gigabit Ethernet, USB 3.1)
- Low power operation (<18 Watts)
- Ideal for size and power constrained systems
- Fanless and robust design for 7/24 operation
- Individual configurations and ODM branding

TECHNICAL SPECIFICATIONS

CPU Six-core NVIDIA Carmel ARM® v8.2 64-bit

GPU NVIDIA Volta™ GPU with 48 Tensor Cores

Memory 8 GB 128-bit LPDDR4x

Graphics Interfaces 1xHDMI 2.0 (max resolution 3840x2160)

Interfaces 1x Gigabit Ethernet
2x USB 3.1 Type-A, 1x CAN Bus
1x RS232/422/485 (software configurable)
2 Digital Input / 3 Digital Output

Wireless Communication WiFi/Bluetooth/LTE/5G Connectivity by extension sockets

Power Supply 9-28 VDC

Internal Extension Sockets 1x M.2 Type-E Key, 1x M.2 Type-B Key

Internal Mass Storage 16 GB eMMC 5.1 Flash, 1x MicroSD
1x M.2 Key-M SSD Slot

Ambient Conditions -25°C ... +65°C

Form Factor / Dimensions 110 mm x 130 mm x 60 mm

Operating Systems Ubuntu Linux 18.04

CONNECTIVITY OPTIONS



ORDERING INFORMATION

DSBOX-NX2-AA DSBOX-NX2 with standard Industrial IO options

DSBOX-NX2-AA-SS DSBOX-NX2-AA with SS sized M.2 SSD

DSBOX-NX2-XX-P DSBOX-NX2 with Power Button option

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